**GROUNDING NOTE:** 

CONTRACTOR TO REFERENCE HARDY ENGINEERING, INC. DRAWING SHEET C2 FOR SITE GROUNDING REQUIREMENTS. CONTRACTOR TO PROVIDE ALL GROUNDING SYSTEMS INDICATED AND AS REQUIRED FOR COMPLIANCE WITH R-56 REVISION C SPECIFICATIONS.

**GENERAL NOTES:** 

CONTRACTOR SHALL BE LIABLE FOR ANY DAMAGES TO EXISTING SYSTEMS AND THEREFORE SHALL LOCATE ALL EXISTING SYSTEMS PRIOR TO STARTING ANY WORK. CONTRACTOR SHALL RETAIN THE SERVICES OF A UTILITY LOCATOR COMPANY TO FIELD LOCATE ALL EXISTING BELOW GRADE SERVICES PRIOR TO STARTING ANY NEW WORK.

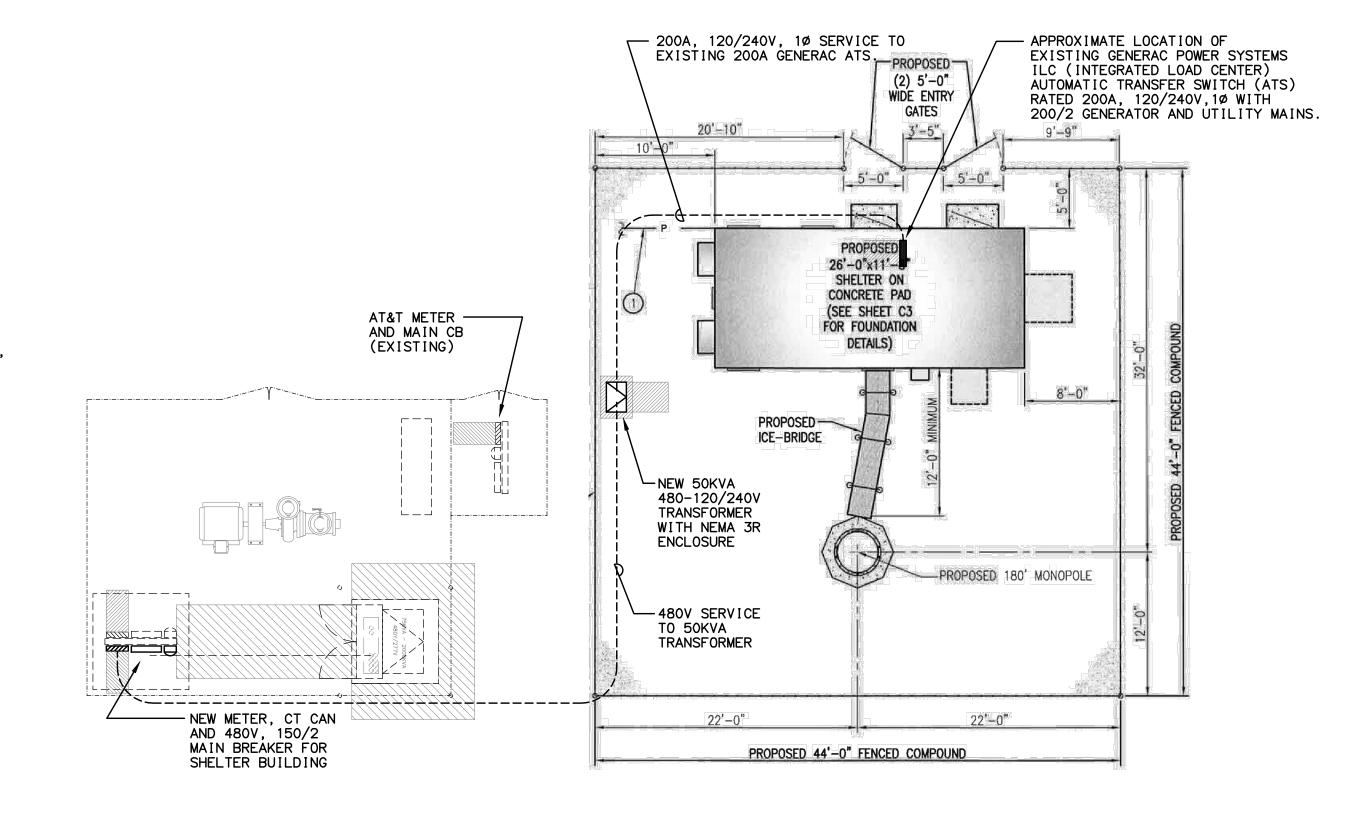
ALL NEW CONDUITS SHALL BE SCH 40 PVC UNLESS NOTED OTHERWISE. ALL NEW CONDUITS SHALL BE INSTALLED A MINIMUM OF 24" BELOW GRADE

<u>JOHNSON PARK SITE PLAN — ELECTRICAL</u> SCALE: 1/8" = 1'-0"

**GENERAL NOTES:** 

SHALL BE UL LISTED.

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL DRAWINGS AND SPECIFICATIONS WHICH ARE PART OF THIS CONTRACT. CONTRACTOR SHALL PROVIDE ELECTRICAL CONNECTIONS TO ALL EQUIPMENT NOTED IN CONTRACT DOCUMENTS REGARDLESS OF WHAT DRAWING OR SPECIFICATION SECTION THE REQUIREMENTS ARE NOTED UNDER.
- 2. ALL WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH ALL NATIONAL AND LOCAL ELECTRICAL CODES. CONTRACTOR SHALL TAKE OUT ALL PERMITS AND PAY ALL FEES ASSOCIATED WITH ELECTRICAL WORK.
- 3. ALL WIRING SHALL BE STRANDED COPPER FOR ALL WIRE SIZES (#12 MINIMUM), TYPE THWN INSULATION, AND SHALL BE INSTALLED IN CONTINUOUS CONDUIT SYSTEMS UNLESS NOTED OTHERWISE. WIRING SHALL BE COLOR CODED BLACK, RED, BLUE, WHITE, GREEN FOR 208Y/120 VOLTS. WIRING SHALL BE COLOR CODED BROWN, ORANGE, YELLOW, WHITE/STRIPED AND GREEN FOR 480/277 VOLTS. ALL FEEDERS AND BRANCH CIRCUITS SHALL HAVE INSULATED GREEN GROUNDING CONDUCTOR SIZED PER NEC, #12 MINIMUM. HOME RUN WIRES SHALL BE 10 GAUGE IF THE DISTANCE FROM PANELBOARD TO FIRST CONNECTION (LIGHTING FIXTURE OUTLET, ETC.) IS OVER 60 FEET AND #8 GAUGE IF THE DISTANCE IS OVER 120 FEET (FOR 20A CIRCUITS)
- 4. BRANCH CIRCUIT HOME RUN GROUPING SHALL BE LIMITED TO 1" CONDUIT SIZE. WHEN MORE THAN 4 CURRENT CARRYING CONDUCTORS ARE INSTALLED IN A SINGLE CONDUIT, CONDUCTOR AMPACITY SHALL BE DERATED PER ARTICLE 310 TABLE NOTES #8 THRU #10 OF NEC.
- 5. ALL CONDUIT SHALL BE 3/4" MINIMUM. ALL EXPOSED CONDUIT SHALL BE GALVANIZED RIGID STEEL (GRS). ALL CONDUIT BELOW GRADE AND ALL CONDUITS LARGER THAN 2" IPS SHALL BE GALVANIZED RIGID STEEL OR INTERMEDIATE METALLIC CONDUIT. CONDUIT BELOW GRADE MAY BE SCHEDULE 40 PVC. INTERIOR CONDUIT 2" IPS OR SMALLER SHALL BE EMT (ELECTRIC METALLIC TUBING) WITH STEEL SET SCREW FITTINGS, DIE CAST FITTINGS ARE NOT ACCEPTABLE. FITTINGS INSTALLED IN WET LOCATIONS SHALL BE RAIN TIGHT. ALL CONDUIT TURNS THROUGH CONCRETE SLABS SHALL BE MADE WITH GALVANIZED RIGID STEEL ELBOWS. MC CABLE IS NOT AN ACCEPTABLE WIRING METHOD FOR THIS PROJECT.
- 6. ALL OPEN CONDUIT SYSTEMS SHALL BE PROVIDED WITH PULL STRINGS.
- CONTRACTOR MAY SELECT CONDUIT ROUTING, HOME RUN GROUPING, ETC., TO HIS BEST ADVANTAGE AND AS APPROVED. CONTRACTOR SHALL COORDINATE HOMERUN LOCATIONS AND AND ALL CONDUIT ROUGH-INS WITH OWNER PRIOR TO ROUGH-IN. MODIFY CONDUIT DIRECTIONS AS REQUIRED.
- 8. OWNER RESERVES THE RIGHT TO MODIFY ALL DEVICE LOCATIONS PLUS OR MINUS 10 FT FROM LOCATION SHOWN WITHOUT COST, AS LONG AS CHANGE IS MADE PRIOR TO ROUGH-IN.
- 9. CATALOG NUMBERS FURNISHED HEREIN ARE PROVIDED TO SUPPLEMENT PRODUCT DESCRIPTIONS. CONTRACTOR AND SUPPLIER SHALL BE RESPONSIBLE FOR VERIFYING COMPLETENESS AND ACCURACY OF ALL PRODUCT CATALOG NUMBERS.
- CONTRACTOR SHALL FURNISH 7 SETS OF SUBMITTAL DRAWINGS FOR ARCHITECT'S APPROVAL PRIOR TO ORDERING EQUIPMENT. SUBMITTALS SHALL INCLUDE PANELBOARDS, WIRING DEVICES, DISCONNECTS AND ANY
- OTHER MAJOR EQUIPMENT AND/OR SYSTEMS. 11. CONTRACTOR SHALL WARRANTY ALL MATERIALS AND WORKMANSHIP FOR ONE (1) YEAR FROM DATE OF ACCEPTANCE BY OWNER. CONTRACTOR SHALL REPAIR OR REPLACE, AT NO ADDITIONAL COST TO OWNER, ANY MATERIALS OR WORKMANSHIP FOUND DEFECTIVE IN FIRST YEAR. ALL MATERIALS SHALL BE NEW AND
- 12. ENGINEER RESERVES THE RIGHT TO REJECT ANY MATERIALS AND WORKMANSHIP PRIOR TO AND AFTER INSTALLATION THAT DO NOT COMPLY WITH CONSTRUCTION DOCUMENTS OR CODES.
- 13. ALL CONDUIT SHALL BE ROUTED TO MINIMIZE THE AMOUNT OF EXPOSED CONDUIT. COORDINATE EXACT ROUTING OF ALL EXPOSED CONDUIT WITH OWNER PRIOR TO INSTALLATION. ALL EXPOSED CONDUIT SHALL BE PAINTED AS DIRECTED BY THE OWNER.
- 14. ALL SAFETY SWITCHES SHALL BE HEAVY DUTY TYPE AND SHALL BE FURNISHED WITH ENGRAVED NAMEPLATE AND GROUNDING LUG.



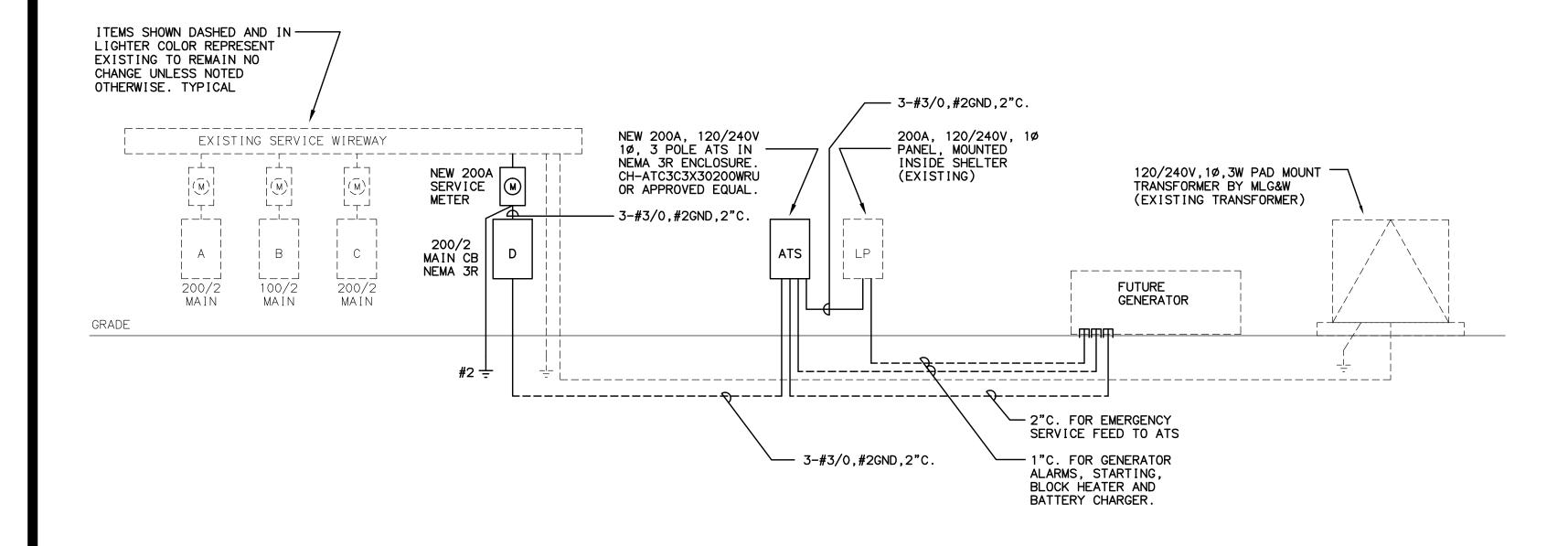
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**GENERAL NOTES:** 

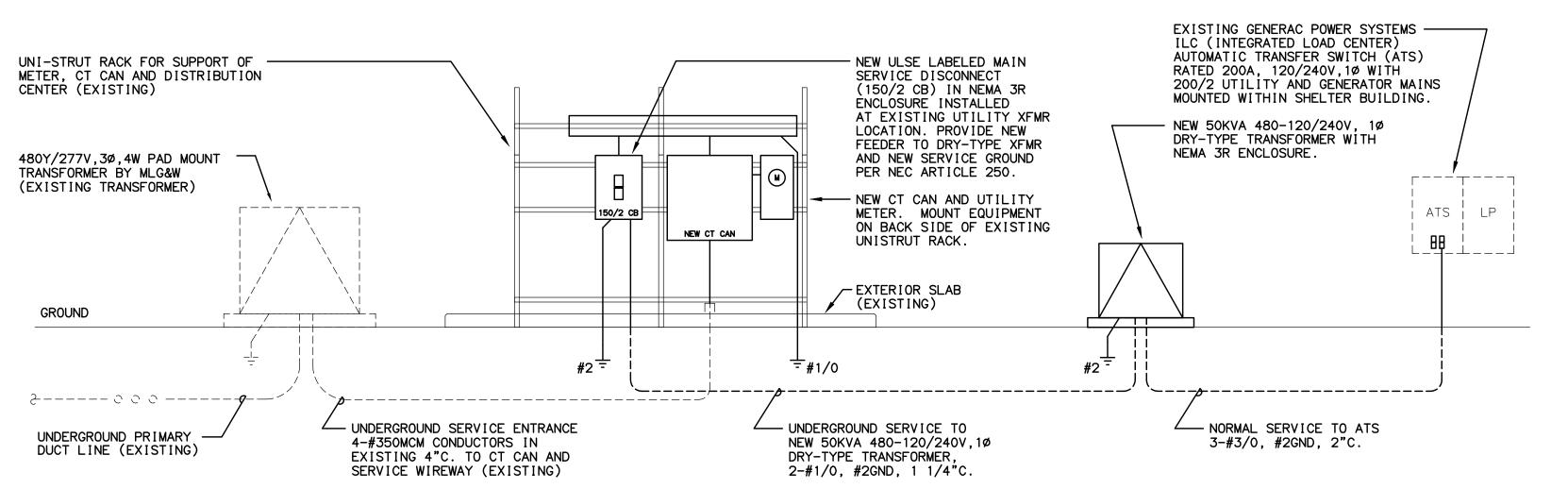
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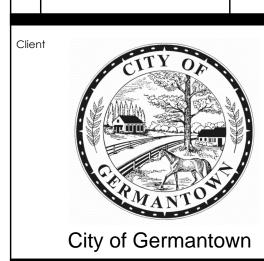
MORGAN WOODS PARK SITE PLAN - ELECTRICAL SCALE: 1/8" = 1'-0"



<u>RISER DIAGRAM – JOHNSON PARK</u>



<u>RISER DIAGRAM - MORGAN WOODS PARK</u>



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DePOUW ENGINEERING **ELECTRICAL DESIGN CONSULTANTS** 9056 South Corporate Edge Dr Germantown, TN 38138 tel 901-754-2535 fax 901-754-2536 web: www.depouw.com

> **ELECTRICAL** SITE PLANS

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